

ABSTRACTMICRO-SYSTEM FOR FILLING WITH MICRO-BEADS AND PROCESS  
FOR OBTAINING IT

The invention relates to a micro-system intended to receive beads and to obtain a precise positioning of said beads at preset locations in the micro-system. This micro-system comprises a tank (3) that has a  
5 cavity (4), said cavity (4) being fitted with blocking elements (5) allowing the beads to be ordered and stacked in the interstices between the blocking elements (5), the interstices constituting said preset locations. It also comprises a cap (7) anchored  
10 hermetically to the tank (3) and input means (8) and output means (9) allowing a fluid to flow in the cavity (4).

The invention also relates to the implementation and use of said bead-filled micro-system.

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Figure 1